

## **METHOD OF IMPROVING START-UP BEHAVIOR FOR COLOR ERROR DIFFUSION DIGITAL HALF-TONING**

### **ABSTRACT**

A method for initializing a printing system using error diffusion. In application of the invention to color printing systems, the method initializes a first error buffer with a first set of seed values and then initializes at least one other error buffer with another set of seed values. The other set of seed values is negatively correlated with respect to the first set of seed values in the first error buffer. The method then uses the seed values in all the error buffers to start an error diffusion process. For monochrome systems, only one error buffer is initialized with random numbers.